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* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/183,174

** Copies not attached as previously submitted to or cited by the USPTO in grandparent application US 08/112,767

PTO/RSB/08A (10-01)

Approved for use through 10/31/2002, OMB 0351-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/693977
		Filing Date	
		First Named Inventor	Kia Silverbrook
		Art Unit	
		Examiner Name	
Sheet 1 of 8	Attorney Docket Number	ZG001US	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EC		US-5,697,144 *	12.16.1997	Mitarl, et al	
		US-5,719,604	02.17.1998	Inui, et al	
		US-5,666,141	09.09.1997	Matoba, et al	
		US-4,672,398	06.09.1987	Kuwabara, et al	
		US-4,737,802	04.12.1988	Mielke	
		US-5,029,805	07.09.1991	Albarras, et al	
		US-5,258,774	11.02.1993	Rogers	
		US-4,553,383	11.19.1985	Ruoff	
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V		US-4,423,401	12.27.1983	Muefner	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code ¹ - Number ² - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
EC		EP 0 416 540 A2 *	13.03.1991	Usui et al		
		EP 1 057 637 *	12.06.2000	Canon KK		
		EP 1 057 639 *	12.06.2000	Canon KK		
		WO 00/48938 *	08.24.2000	Silverbrook		
		JP 4 04001051 A **	01.06.1992	Kornal		
		EP 0 713 774 A2	05.29.1996	Sharp Kabushiki	Kaisha	
		DE 195 16 997	11.16.1995	Sharp KK		
		DE 198 23 620 A1	12.19.1996	Sharp KK		
V		JP 2 108544 (Abstract)	04.20.1990	Seiko Epson Corp		
EC		JP 2 92643 (Abstract)	04.03.1990	Seiko Epson Corp		

Examiner Signature	<i>E. Chen</i>	Date Considered	6/29/05
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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		First Named Inventor	Kia Silverbrook
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		Examiner Name	
Sheet 3 of 8	Attorney Docket Number	ZG001US	

U.S. PATENT DOCUMENTS					
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		US-			
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Examiner Initials ²	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				
EC		JP	04 126255 (Abstract)	04.27.1992	Seiko Epson Corp		
		GB	2 262 152	06.09.1993	Willatt Int Ltd		
		DE	195 16 997	11.16.1995	Sharp K.K.		
		JP	05 318724 (Abstract)	12.03.1993	Seikosha Co Ltd		
		JP	02 162049 (Abstract)	08.21.1990	Seiko Epson Corp		
		DE	32 45 283	08.07.1984	Siemens AG		
		JP	04 368851 (Abstract)	12.21.1992	Seiko Epson Corp		
		JP	02 158348 (Abstract)	06.18.1990	Mitsuba Camera Co Ltd		
		JP	03 112662 (Abstract)	05.14.1991	Seiko Epson Corp		
		JP	03 653348 (Abstract)	03.20.1991	Matsushita Electric Ind Co		

Examiner Signature	<i>Eric Chen</i>	Date Considered	6/29/05
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Substitutes for form 1448A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
				Application Number	
				Filing Date	
				First Named Inventor	Kia Silverbrook
				An Unit	
				Examiner Name	
Sheet	4	of	8	Attorney Docket Number	ZG001US

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		Country Code ^a - Number ^a - Kind Code ^b (if known)				
EC		JP 01257058	10.13.1989	Seiko Epson Corp		
		DE 195 17 968	11.30.1985	Sharp K.K		
		DE 198 39 717	04.17.1997	Sharp K.K		
		EP 0 737 580	10.16.1996	Canon K.K		
		EP 0 882 590	12.09.1998	Canon K.K		
		EP 0 478 956	04.08.1992	Kernforschungs- u. Karlsruher GMBH		
		DE 1 648 322	03.24.1971	VDO Tachometerwerke GMBH		
		GB 1 428 239	03.17.1976	Cibla Projecteurs		
		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto		
		DE 29 05 063	08 14 1980	Olympe Werke AG		

Examiner Signature	<i>Eric Chen</i>	Date Considered	<i>6/29/05</i>
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		Examiner Name	
Sheet 6 of 8	Attorney Docket Number	ZG001US	

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EC		JP 03 180350	08.06.1991	Seiko Epson Corp	
		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University	
		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp	
		EP 0 510 648	10.28.1992	Ivri Yehuda	
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc	
		JP 04 141429 (Abstract)	05.14.1992	Seiko Epson Corp	
		JP 01 105748 (Abstract)	04.24.1989	Ricoh Co. Ltd	
EC		GB 792 145	03.19.1958	Technograph Printed Circuits Ltd	
		EP 0 750 993	01.02.1997	Canon K.K.	

Examiner Signature	<i>Eve Chun</i>	Date Considered	6/29/05
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		First Named Inventor	Kia Silverbrook
		Group Art Unit	
		Examiner Name	
Sheet 8 of 8	Attorney Docket Number	ZG001US	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published	T ²
EC		Derwent Abstract Accession No. 2000-405730/35, Class P75;T04, JP 2000141656 A (Ricoh KK) May 23, 2000 *	
		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier/Sequoia S.A., Lausanne, Vol 55, no. 1, 15 July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc, New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
EC		YAMAGATA, YUTAKA et al, "A Micro-Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	

Examiner Signature	<i>Cie Chun</i>	Date Considered	6/29/05
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